

Amendments to the Claims:

Claims 1 to 4, 8, 9 and 12 to 15 are cancelled and claims 16 to 28 are added as set forth below.

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1 to 15 (Cancelled).

16. (New) A surgical microscope comprising:

a viewing unit for viewing an object and said viewing unit defining a viewing beam path:

an image projection module for inputting image data into  
5 said viewing unit;

said image projection module including an image display unit  
for displaying said image data;

an image recording module for recording an image of said  
object supplied by said viewing unit; and,

10 said image recording module including:

an image sensor mounted to receive said image data from said  
image projection module;

an image recording beam splitter mounted in said viewing  
beam path for directing said image of the object onto said image  
15 sensor;

a recording device for recording said image data and said

image of said object; and,

said recording device including an image mixer for receiving both said image data and said image of said object as electronic image data and for mixing said electronic image data therein.

17. (New) The surgical microscope of claim 16, wherein said image projection module includes a plano-convex lens and a plano-concave lens mounted downstream of said image display unit.

18. (New) The surgical microscope of claim 16, wherein said plano-convex lens has a first focal length and said plano-concave lens has a second focal length; and, the ratio of said first focal length and said second focal length lies within a range  
5 from 1.9 to 2.5.

19. (New) The surgical microscope of claim 16, wherein said viewing unit defines a viewing beam path; and, said image projection module includes a beam splitter mounted in said viewing beam path.

20. (New) The surgical microscope of claim 19, wherein said plano-convex lens is a first plano-convex lens; said image projection unit further includes a concave-convex lens and a second plano-convex lens; and, said first plano-convex lens, said  
5 plano-concave lens, said concave-convex lens and said second plano-convex lens all are arranged between said image display unit and said beam splitter.

21. (New) The surgical microscope of claim 16, wherein the brightness of said image display unit is increased by providing a time-dependent sequential illumination of said reflection display with only a single color.

22. (New) The surgical microscope of claim 16, wherein said image projection module has an input for receiving said image data as electronic image data and said image mixer is connected directly to said input for receiving said image data as said electronic image data applied to said input.

23. (New) A surgical microscope comprising:  
a viewing unit for viewing an object and said viewing unit defining a viewing beam path;  
an image projection module for inputting image data into  
5 said viewing unit;

said image projection module including an image display unit for displaying said image data;

an image recording module for recording an image of said object supplied by said viewing unit; and,

10 said image recording module including:

an image sensor mounted to receive said image data from said image projection module;

an image recording beam splitter mounted in said viewing beam path for directing said image of the object onto said image  
15 sensor;

a recording device connected to said image sensor for recording said image data and said image of said object; and,

a device for synchronizing the illumination of said image display unit with said image sensor.

24. (New) The surgical microscope of claim 23, wherein said image projection module includes a plano-convex lens and a plano-concave lens mounted downstream of said image display unit.

25. (New) The surgical microscope of claim 23, wherein said plano-convex lens has a first focal length and said plano-concave lens has a second focal length; and, the ratio of said first focal length and said second focal length lies within a range from 1.9 to 2.5.

5 26. (New) The surgical microscope of claim 23, wherein said viewing unit defines a viewing beam path; and, said image projection module includes a beam splitter mounted in said viewing beam path.

27. (New) The surgical microscope of claim 26, wherein said plano-convex lens is a first plano-convex lens; said image projection unit further includes a concave-convex lens and a second plano-convex lens; and, said first plano-convex lens, said 5 plano-concave lens, said concave-convex lens and said second plano-convex lens all are arranged between said image display unit and said beam splitter.

28. (New) The surgical microscope of claim 23, wherein the brightness of said image display unit is increased by providing a

time-dependent sequential illumination of said reflection display  
with only a single color.